

Official ISC2 Certified Cloud Security Professional (CCSP) Training

Duration: 5 Days Course Code: CCSP

Overview:

The CCSP - Certified Cloud Security Professional - certificate gives you international recognition as a security professional from ISC2. This course prepares you for the CCSP exam of ISC2. As powerful as cloud computing is for the organization, understanding its information security risks and mitigation strategies is critical. Legacy approaches are inadequate, and organizations need competent, experienced professionals equipped with the right cloud security knowledge and skills to be successful. They need CCSPs.

Backed by the two leading non-profits focused on cloud and information security, the Cloud Security Alliance (CSA) and (ISC)², the CCSP credential denotes professionals with deep-seated knowledge and competency derived from hands-on experience with cyber, information, software and cloud computing infrastructure security. CCSPs help you achieve the highest standard for cloud security expertise and enable your organization to benefit from the power of cloud computing while keeping sensitive data secure.

Target Audience:

The CCSP credential is designed for experienced information security professionals with at least five years of full-time IT experience, including three years of information security and at least one year of cloud security experience. The CCSP credential is suitable for mid-level to advanced professionals involved with IT architecture, web and cloud security engineering, information security, governance, risk and compliance, and even IT auditing.

CCSP is most appropriate for those whose day-to-day responsibilities involve procuring, securing and managing cloud environments or purchased cloud services. In other words, CCSPs are heavily involved with the cloud. Many CCSPs will be responsible for cloud security architecture, design, operations, and/or service orchestration.

Example job functions include, but are not limited to: Enterprise Architect, Security Administrator, Systems Engineer, Security Architect, Security Consultant, Security Engineer, Security Manager, Systems Architect

Objectives:

- CCSP is a global credential born from the expertise of the two industry-leading stewards of information systems and cloud computing security, (ISC)² and CSA. The CCSP credential is appropriate and applicable to cloud security in a global environment. This is especially important given the legal, regulatory and compliance concerns that come with multi-jurisdictional housing of personally identifiable information (PII).
- For those who qualify, the CCSP exam will test their competence in the [six CCSP domains](#) of the (ISC)² Common Body of Knowledge (CBK), which cover:
 - Architectural Concepts & Design Requirements
 - Cloud Data Security
 - Cloud Platform & Infrastructure Security
 - Cloud Application Security
 - Operations
 - Legal & Compliance

Prerequisites:

Candidates must have a minimum of five years cumulative paid work experience in information technology, of which three years must be in information security and one year in one or more of the six domains of the CCSP CBK. Earning CSA's CCSK certificate can be substituted for one year of experience in one or more of the six domains of the CCSP CBK. Earning (ISC)²'s CISSP credential can be substituted for the entire CCSP experience requirement.

You can learn more about CCSP experience requirements and

Testing and Certification

This exam is not included in the course price and can be ordered separately.

- Exam: 3 hours
- Number of items: 125
- Item format: Multiple choice
- Passing grade: 700 out of 1000 points
- Exam availability: English
- Testing center: Pearson VUE Testing Center

Content:

Domain 1: Cloud Concepts, Architecture and Design	2.8 Design and implement auditability, traceability, and accountability of data events	4.7 Design an appropriate identity and access management (IAM) solution
1.1 Understand cloud computing concepts	Domain 3: Cloud Platform and Infrastructure Security	Domain 5: Cloud Security Operations
1.2 Describe cloud reference architecture	3.1 Comprehend cloud infrastructure and platform components	5.1 Build and implement physical and logical infrastructure for the cloud environment
1.3 Understand security concepts relevant to cloud computing	3.2 Design a secure data center	5.2 Operate and maintain physical and logical infrastructure for cloud environment
1.4 Understand design principles of secure cloud computing	3.3 Analyze risks associated with cloud infrastructure and platforms	5.3 Implement operational controls and standards
1.5 Evaluate cloud service providers	3.4 Plan and implementation of security controls	5.4 Support digital forensics
Domain 2: Cloud Data Security	3.5 Plan business continuity (BC) and disaster recovery (DR)	5.5 Manage communication with relevant parties
2.1 Describe cloud data concepts	Domain 4: Cloud Application Security	5.6 Manage security operations
2.2 Design and implement cloud data storage architectures	4.1 Advocate training and awareness for application security	Domain 6: Legal, Risk, and Compliance
2.3 Design and apply data security technologies and strategies	4.2 Describe the Secure Software Development Life Cycle (SDLC) process	6.1 Articulate legal requirements and unique risks within the cloud environment
2.4 Implement data discovery	4.3 Apply the Secure Software Development Life Cycle (SDLC)	6.2 Understand privacy issues
2.5 Plan and implement data classification	4.4 Apply cloud software assurance and validation	6.3 Understand audit process, methodologies, and required adaptations for a cloud environment
2.6 Design and implement Information Rights Management (IRM)	4.5 Use verified secure software	6.4 Understand implications of cloud to enterprise risk management
2.7 Plan and implement data retention, deletion, and archiving policies	4.6 Comprehend the specifics of cloud application architecture	6.5 Understand outsourcing and cloud contract design

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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